

Lockheed Martin
Scientific Engineering, Response and Analytical Services
2890 Woodbridge Avenue Building 209
Edison, NJ 08837-3679
Telephone 732-321-4200 Facsimile 732-494-4021

DATE: July 11, 2012

TO: Kelley Chase, EPA Region 3 OSC
Cynthia Caporale, EPA Region 3 OASQA

THROUGH:

Ex. 4 - CBI

FROM:

Ex. 4 - CBI

SUBJECT: VERIFICATION/COMPLETENESS CHECK – DIMOCK, PA LABORATORY DATA
Region 6 Glycols Report (1205010) - Posted June 15, 2012

INTRODUCTION

On July 5, 2012, a review of the case narratives and corresponding certificates of analysis from Region 6 Laboratory (Glycols Data Report Posted June 15th) was reviewed at the SERAS facility in accordance with the Follow-Up Verification/Completeness Check agreed upon during our teleconference on Wednesday 2/8/12.

The assumptions for this review include the following: 1) Case narratives from the Regional labs and/or subcontract labs have been reviewed in accordance with Regional or Environmental Services Assessment Team (ESAT) protocols and contain all pertinent and complete information to conduct the completeness check. SERAS will base this review on the information provided by the laboratory and not on an actual data package; and 2) SERAS will relay any “red” flags to the EPA R3 personnel to resolve and determine data usability.

OBSERVATIONS

In accordance with Table 1 – Field and QC Sampling Summary (Rev01 - 2/3/12), Table 2 – Sample Analytical Requirements Summary (Rev01 – 2/3/12), Glycols by Direct Aqueous Injection (USEPA Region 6 SOP 712) the following observations were noted and need to be clarified/resolved.

Region 6 Glycols Report (1205010)—Posted June 15, 2012

1. **NOTE: Chain of Custodies 3-052312-111024-0250 and 3-052312-162912-0256 only request Ethylene Glycol for analysis.**
2. A DFTPP tune was not present in the data package. It is assumed that a DFTPP tune was analyzed and passed tuning criteria since the method is referencing SW-846 8270D using a mass spectrometer as a detector.
3. The laboratory’s SOP states that a 10-point initial calibration (ICAL) in the range of 0.50 µg/mL to 200 µg/mL will be used. The laboratory analyzed 6 points for Propylene Glycol (1.0 - 50 µg/mL) and 7 points for Ethylene Glycol (1.0-100 µg/mL). There are no additional qualifications since a minimum 5-point calibration was used.
4. The end of sequence continuing calibration was not analyzed due to a sequence error. The results for propylene glycol and ethylene glycol should be qualified estimated (J) in the results column qualifier column in Scribe for samples FB23, HW63, HW63Z, FB22, HW62, HW64 and HW64-P.
5. The low level ending calibration check (2 µg/mL) failed the percent recovery criteria. The reporting limits (RLs) for propylene glycol and ethylene glycol should be elevated to 5 µg/mL for samples FB23, HW63, HW63Z, FB22, HW62, HW64, HW64-P and the method blank.

cc:

Ex. 4 - CBI

SERAS-172-DSR-071112_Dimock_63